Amendments to the Claims:

This claim listing will replace all prior versions and listings of claims in the application:

Claim Listing:

1-19. (Cancelled)

20. (Currently amended) An immunostimulatory oligonucleotide compound, comprising:

an immunostimulatory dinucleotide of formula C*pG, C*pG* or CpG*, wherein C is cytosine ~~a natural pyrimidine nucleoside, C* is a non-natural pyrimidine nucleoside,~~ G is guanosine or ~~a natural purine nucleoside~~ and G* is selected from 7-deazaguanosine and 6-thioguanosine ~~a non-natural purine nucleoside~~, C* is selected from 5-hydroxycytosine, 5-hydroxymethylcytosine, N4-alkylcytosine, aracytosine and 4-thiouracil, and wherein p is an internucleotide linkage selected from the group consisting of phosphodiester, phosphorothioate and phosphorodithioate;

a 3'-3' linkage; and

one or two accessible 5' ends.

21. (Original) The immunostimulatory oligonucleotide compound of claim 20, which oligonucleotide comprises two accessible 5' ends.

22.-40. (Canceled)

41. (Previously presented) The immunostimulatory oligonucleotide compound of claim 20, wherein G* is 7-deazaguanosine.

42. (Canceled)

43-51. (Canceled)

52. (New) The immunostimulatory oligonucleotide compound of claim 20, wherein G* is 6-thioguanosine.